

CURRENT INDUSTRIAL REPORTS

**Titanium Ingot, Mill Products,
and Castings**

U.S. Department of Commerce
BUREAU OF THE CENSUS
BUREAU OF INDUSTRIAL ECONOMICS



AUGUST 1982

ITA-991(82)-8

Issued November 1982

The total production of titanium ingot for August was 3.5 million pounds. This represented an 18-percent increase from the July total of 3.3 million pounds. Consumption of titanium ingot increased by 18-percent in August to 3.7 million pounds from 3.1 million pounds in July. Net shipments of titanium mill products decreased by 2 percent to 2.3 million pounds in

August from 2.4 million pounds in July. Total shipments of titanium castings for August amounted to 35 thousand pounds.

A description of the survey methodology and related information may be found in the January 1982 report for this series, ITA-991(82)-1, issued June 1982.

Table 1. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

(Thousands of pounds)

Product	August 1982	July 1982	August 1981
Total ¹	2,342	2,382	3,833
Sheet and strip.....	(2)	(2)	(2)
Plate.....			
Forging and extrusion billet.....	1,155	1,286	2,127
Rod and bar.....	322	273	492
Fastener stock and wire.....	35	34	91
Extrusion.....			
Pipe and tubing.....	910	880	1,353
Other.....			

¹Net shipments, total, is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail does not add to the total because of this difference in definition.

²Data for sheet and strip, plate, extrusion (other than tubing), pipe and tubing, and other have been combined to avoid disclosing individual company data.

Table 2. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1982 AND 1981

(Thousands of pounds)

Month and year	Ingot					Mill products			Castings	
	Production	Consumption	Shipments	Receipts	Ending inventories	Production	Receipts	Net shipments ^{1,2}	Production	Shipments
1982										
August.....	3,877	3,676	466	589	5,884	2,339	162	2,342	60	35
July.....	3,284	3,118	528	542	5,634	2,433	144	2,382	61	35
June.....	4,017	4,631	653	588	5,411	3,188	387	3,166	64	39
May.....	3,610	4,480	456	670	3,994	3,084	357	2,946	59	45
April.....	5,001	5,204	769	806	6,405	3,209	353	3,436	69	54
March.....	6,858	7,320	867	1,071	6,552	4,361	704	4,454	90	59
February.....	6,505	6,202	973	1,252	6,686	4,185	830	3,458	83	55
January.....	6,452	6,222	1,363	955	6,523	4,475	825	3,655	77	42
1981										
Total.....	(NA)	(NA)	(NA)	(NA)	(NA)	58,940	9,084	50,983	675	417

(NA) Not available.

¹See table 1 for more detailed data.

²Net shipments, total, is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail does not add to the total because of this difference in definition.

Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Materials Division, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Nathaniel A. Shelton, (301) 763-2529.

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Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANIUM MILL PRODUCTS: 1982 AND 1981

(Quantity in thousands of pounds, value in thousands of dollars)

Month and year	Manufacturers' net shipments ¹ (quantity)	Exports of Domestic merchandise ²			Percent exports to manufacturers' net shipments (quantity)	Imports for consumption ⁴		Apparent consumption ⁵ (quantity)	Percent imports to apparent consumption (quantity)
		Quantity	Value at port	Estimated producers' value ³		Quantity	Value ³		
AUGUST 1982									
Total.....	2,888	900	9,985	9,716	31	188	1,974	2,176	9
Titanium ingot and forging and extrusion billet ⁶	1,621	482	6,021	5,860	30	59	505	1,198	5
Titanium mill products.....	1,267	418	3,963	3,856	33	129	1,459	978	13
JULY 1982									
Total.....	3,001	413	3,603	5,453	14	211	1,875	2,799	8
Titanium ingot and forging and extrusion billet ⁶	1,814	224	2,731	2,658	12	3	37	1,593	(2)
Titanium mill products.....	1,187	189	2,872	2,758	16	208	1,838	1,206	17
JUNE 1982									
Total.....	3,932	565	7,144	6,952	14	103	842	3,470	3
Titanium ingot and forging and extrusion billet ⁶	2,354	492	5,496	5,348	21	70	437	1,532	4
Titanium mill products.....	1,578	73	1,644	1,604	5	33	405	1,538	2
MAY 1982									
Total.....	3,510	666	13,077	12,725	18	329	3,285	3,173	10
Titanium ingot and forging and extrusion billet ⁶	2,069	439	9,165	8,918	21	106	1,011	1,736	6
Titanium mill products.....	1,441	227	3,912	3,807	16	223	2,274	1,537	16
MARCH 1982									
Total.....	5,496	591	9,570	9,313	11	222	2,726	5,127	4
Titanium ingot and forging and extrusion billet ⁶	3,292	316	5,586	5,436	11	39	584	2,965	1
Titanium mill products.....	2,204	225	3,984	3,877	10	183	2,142	2,162	9
FEBRUARY 1982									
Total.....	4,608	734	11,456	11,148	16	187	1,911	4,061	5
Titanium ingot and forging and extrusion billet ⁶	2,814	433	6,037	5,875	15	25	194	2,406	10
Titanium mill products.....	1,794	301	5,419	17	162	1,717	1,655	10	
JANUARY 1982									
Total.....	5,313	983	12,598	12,259	19	105	1,318	4,435	2
Titanium ingot and forging and extrusion billet ⁶	3,277	657	7,920	7,707	20	30	366	2,650	11
Titanium mill products.....	2,036	326	4,678	4,552	16	75	952	1,785	4
1981									
Total.....	(NA)	12,098	159,454	155,165	(NA)	2,719	27,234	(NA)	(NA)
Titanium ingot and forging and extrusion billet ⁶	(NA)	8,405	105,647	102,805	(NA)	488	5,221	(NA)	(NA)
Titanium mill products.....	27,303	3,693	53,807	52,360	13	2,231	22,013	25,841	9

^(NA) Not available. ^(Z) Less than one-half of one percent.¹For a comparison of Standard Industrial Classification (SIC) codes, export (Schedule B) codes, and import (TSUSA) codes, please refer to the January report for SIC code 3911(02), Bureau of the Census, 1982.²Source: Bureau of the Census report EM 546, U.S. Exports--Schedule B--Commodity by Country.³These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1980 which are published in Origin of Exports of Manufactured Products, W80(A3)-6, appendix B. Comparable adjustment factors for earlier years are based on similar factors developed for 1971 and 1972. The current adjustment factor for this report is 0.9731.⁴Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.⁵The value includes c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus U.S. import duties and other charges to the import point.⁶Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.⁷Comparability of output, export, and import classifications for ingot and billet assume that bloom, sheet bar, and slab are reported as ingot or billet in the output codes. Figures for imports of ingot and billet also include powder, crystal, and similar forms which are excluded from the output and export codes.

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